

SUGAR INDUSTRY MACHINERY



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Many industrial processes in the sugar industry are affected by the abrasive and corrosive properties of sugar cane. Wear is a serious problem and productivity is often affected by interruptions and maintenance.

Stainless steel grade AISI 410 has replaced carbon steel in this sugar refinery in Brazil. Costs have been reduced and product quality enhanced.

The benefit of stainless steel can also be graphically. Initially carbon steel was used for the roller shown above. After two years of use, the steel had reduced from a thickness of 9.5 mm to 5.5 mm (42.1% reduction). By comparison, the 410D stainless roller had an initial thickness of 6.32 mm. After two years of use, this had reduced to 5.98 mm (5.4%).

Location | BRAZIL

Environment | OUTDOOR

Product

Fabrication process | WELDING

Grade/surface | AISI 410D

Material thickness/diameter

Weight

Competing material | CARBON STEEL

Date of Completion | 2010

Manufacturer

Material Supplier | APERAM STAINLESS & ELECTRICAL STEEL BRAZIL

Source of Information | APERAM STAINLESS & ELECTRICAL STEEL BRAZIL

Remarks

